



FDNY

BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor

Brooklyn, NY, 11201

To: Peter Namisnak
From: New York City Fire Department
Date: Jul 9, 2023
Record ID: 2023-TMCOAP-005424-CERT



Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

Expires on July 9, 2026

By order of Fire Commissioner, and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Manufacturer: Bosch Security Systems, Inc.

Trade Name: Bosch

Product: Fire Alarm Control Panel

Basic Model Number(s): B9512G, B8512G Control Panels

Pertinent Code Section(s): Section FC 901 of the New York City Fire Code

Test(s) Standards(s): UL 864, 10th Edition, NFPA-72, 1 RCNY §3616-04

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL S1871, Vol. 23, Sec. 2; Issued January 22, 2015, Revised December 17, 2021
UL S3019, Vol. 10, Sec. 7; Issued April 17, 2023.

Description: B9512G, B8512G Control Panels and FAA-3350 detector base along with associated accessories itemized in Table 1. The B9512G, B8512G control panels provides up to 599 individually identified programmable points, and has an optional (DACT) communicator module designed for reporting to central office via (PSTN) public switched telephone network.

UL lists the B9512G, B8512G as signal systems control panel for central station, local, auxiliary, remote station and proprietary.



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UL has approved the use of the IP and Cellular modules as Primary communication devices (without backup) for use in Commercial Fire applications as defined in NFPA72 and tested per UL 864.

Table 1.

A B C D E

Bosch No.	Product Description	Prior Approval	UL File
1	D125B Powered Loop Interface	582-85-SA (4-22-86)	S1871, Vol 14, S1
2	D129 Dual Class A Initiating Circuit Module	582-85-SA (4-22-86)	S1871, Vol 14, S1
3	D130 Relay Module	12-92-E Vol. II	S1871, Vol 14, S1
4	D192G Notification Appliance Circuit Module	582-85-SA (4-22-86)	S1871, Vol 14, S1
5	D8004 Transformer Enclosure	582-85-SA (4-22-86)	S5579, Vol. 1, Sec. 1
6	D8129 OctoRelay Module	582-85-SA (3-7-89)	S1871, Vol 14, S1
7	D8130 Door Release Module	582-85-SA (3-7-89)	S1871, Vol 14, S1
8	D185 Reversing Polarity Module	12-92-E Vol. VII	S1871, Vol 14, S1
9	ITS-DX4020-G GPRS/GSM IP Communicator	COA # 6059	S1871, Vol. 21, Sec. 2
10	D9127T, D9127U POPIT Module	582-85-SA (3-7-89)	S1871, Vol 14, S1
11	D8128D OctoPopit Module	582-85-SA (4-22-86)	S1871, Vol 14, S1
12	D1255RB, D1256RB, D1257RB Keypads, Annunciators	12-92-E Vol. IV	S5579, Vol 1, Sec 91-10
13	D8125 Zone Expander Module	582-85-SA (4-22-86)	S1871, Vol 14, S1
14	B426 Network Interface Module	COA # 6147	S5579, Vol. 1 Sec. 19
15	C900V2 Dialer Capture Module	12-92-E Vol. XIII	S5579, Vol. 1 Sec. 19
16	D8103, B8103, D8109, D8108A Enclosure	582-85-SA(4-22-86)	S1871, Vol. 5, Sec. 1
17	ICP-SDI-9114 SDI Splitter	COA # 6059	S5579, Vol. 1, Sec. 9
18	B208 Input Module	COA # 6102	S5579, Vol. 9, Sec. 1
19	B308 Output Module	COA # 6102	S5579, Vol. 9, Sec. 1
20	B299 Popex Module	New	S1871, Vol. 23 Sec. 2
21	B600 Zonex Module	New	S1871, Vol. 23 Sec. 2
22	B925F Keypad	New	S1871, Vol. 23 Sec. 2
23	B926F Keypad	New	S1871, Vol. 23 Sec. 2
24	B430 Phone Module	New	S1871, Vol. 23 Sec. 2
25	B440 Cellular Module	COA # 6174	S1871, Vol. 23 Sec. 1
26	B441 Cellular Module	COA # 6174	S1871, Vol. 23 Sec. 1
27	B443 Cellular Module	COA # 6174	S1871, Vol. 23 Sec. 1
28	B450 Cellular Interface Module	COA # 6174	S1871, Vol. 23 Sec. 1
29	B444-A2 Plug-in cell module, AMEC LTE	New	S1871, Vol. 24 Sec.2
30	B444-V2 Plug-in cell module, VZW LTE	New	S1871, Vol. 24 Sec.2
31	FAA-350 Detector Base 6 Inch POPIT	New	S3019, Vol. 10 Sec. 7
32	FCH-350-135 Heat detector head, fixed/ROR, 135	New	S3019, Vol. 10 Sec. 7
33	FCH-350-190 Heat detector head, fixed/ROR, 190	New	S3019, Vol. 10 Sec. 7
34	FCP-350-P Smoke detector head, photoelectric	New	S3019, Vol. 10 Sec. 7
35	FCP-350-PTH Smoke detector head, photo/heat	New	S3019, Vol. 10 Sec. 7
36	FCD-350-DH Duct smoke detector head, photo	New	S3019, Vol. 10 Sec. 7
37	FCD-350 Duct smoke detector	New	S3019, Vol. 10 Sec. 7
38	FCB-350 Beam smoke detector, 24V	New	S3019, Vol. 10 Sec. 7
39	FCA-350-B6 Detector base, 6", 2-wire	New	S3019, Vol. 10 Sec. 7
40	FCA-350-B4 Detector base, 4", 2-wire	New	S3019, Vol. 10 Sec. 7
41	FCA-350-B6R24 Detector base, 6", 4-wire, 24V	New	S3019, Vol. 10 Sec. 7
42	FCA-350-B6R12 Detector base, 6", 4-wire, 12V	Detector base	New S3019, Vol. 10 Sec. 7



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Conditions of Approval:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & 1RCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 864.
2. When installed for Central Station communication, the installation and operation of the equipment and devices shall comply with 3RCNY §901-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler water flow alarm, supervisory signal indications, and trouble indications.
3. When installed as a Central Station Internet/Cellular communicator both primary and secondary channels of communication shall be required and shall meet the conditions of 3.1 – 3.7. Network communication shall be used as primary channel of communication with Central Station and Cellular Communicator shall be used as the secondary channel of communication or in reverse order: Cellular Communicator as primary and Internet connection as the secondary channel.
 - 3.1. Each communication channel shall be monitoring for integrity at intervals not exceeding 24 hours
 - 3.2. Failure any channel of communication shall be annunciated at the protected premises within 5 minutes of failure.
 - 3.3. The failure of either channel shall be annunciated at Central Station within 5 minutes of failure by the remaining active channel.
 - 3.4. Reliability of the signal shall be achieved by any of the following:
 - 3.4.1. Signal repetition — multiple transmissions repeating the same signal.
 - 3.4.2. Parity check — a mathematically check sum algorithm of a digital message that verifies correlation between transmitted and received message.
 - 3.4.3. An equivalent means that provides a certainty of 99.99 percent that the received message is identical to the transmitted message.
 - 3.5. The maximum duration between the initiation of an alarm signals at the protected premises, transmission of the signal, and subsequent display and recording of the alarm signal at the Central Station shall not exceed 90 seconds.
 - 3.6. A spare Central Station Receiver shall be provided at the Central Station and shall be able to be switched into the place of a failed unit within 30 seconds after detection of failure.
 - 3.7. All applicable requirements of Federal Communications Commission (FCC) shall be complied with.
4. Connection to Central Station shall have two means of communication. When DACT is used for communication to Central Station, the primary channel shall be telephone line. Cellular or internet communication shall be limited for the secondary means of communication and comply with 26.6.3 NFPA 72, 2010 edition.
5. All communication devices shall be installed and dedicated for communication and transmission of fire alarm system signals and shall be properly secured at all times from unauthorized use. All wiring used for network communications shall be plenum rated cable with a minimum temperature rating of 150°C.
6. The above referenced communication equipment shall be used only with listed fire alarm equipment and devices with which the compatibility has been determined by Underwriters Laboratories test reports.
7. Only enclosures painted red in color shall be used.
8. Underwriters Laboratories Inc.'s Listing requirements and limitations shall be complied with.



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9. All installations are subject to inspection, test, and approval from Fire Alarm Inspection Unit (FAIU).
10. Any change in Central Station communication service provider shall be reported to FAIU and is subject to re-inspection, test, and approval.
11. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
12. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.
13. Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department but is a certification that your product is acceptable as of the date of issuance.
14. The Fire Department reserves the right to withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
15. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
16. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.
17. Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept" (e.g., "NYC Fire Dept Certificate of Approval 2023-TMCOAP-005424-CERT).

Any change in company name or ownership, product name, design or model number of any product included on this certificate must be immediately reported to this Department in writing.

When responding to this Department regarding this subject matter, kindly refer to Record ID: 2023-TMCOAP-005424-CERT and send it to Igor Chouchereba attention, 9 MetroTech Center, #15-65-K, phone (718) 999-1997, e-mail: Igor.Chouchereba@fdny.nyc.gov

Very truly yours,
Igor Chouchereba
Supervisor of Electrical Installation, II
Technology Management

By Order of,
Chief of Fire Prevention